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... generation/dynamic spectrum access/cognitive radio wireless networks: a survey
IF Akyildiz, WY Lee, MC Vuran, S Mohanty - Computer Networks, 2006 - Elsevier
... 1) determine which portions of the spectrum is available and **detect** the **presence** of licensed ...
cognitive radios in xG networks can be summarized as follows: • Spectrum sensing: **Detecting**
unused spectrum ... If this band is further used by a licensed **user**, the cognitive radio moves ...
Cited by 678 - Related articles - All 18 versions

[PDF] A survey of dynamic spectrum access
Q Zhao, BM Sadler - IEEE Signal Processing Magazine, 2007 - Citeseer
... that transforms the problem of **detecting** primary receivers to **detecting** primary transmitters. X
A ... OPPORTUNITY DETECTOR The spectrum opportunity detector discovers the **presence** of
primary ... Since secondary **users** may need to transmit over noncontiguous frequency bands ...
Cited by 280 - Related articles - View as HTML - BL Direct - All 4 versions

Medium Access Control protocols for ad hoc wireless networks: A survey
S Kumar, VS Raghavan, J Deng - Ad Hoc Networks, 2006 - Elsevier
... For instance, if the **user** is moving through the clothing section of the shopping mall, information
on ... **wireless** medium fades in proportion to the square of distance from the transmitter, the **presence**
of a ... is transmitting to B. Node C, being out of A 's range, cannot **detect** carrier and ...
Cited by 123 - Related articles - All 19 versions

Wireless sensor networks: a survey
IF Akyildiz, W Su, Y Sankarasubramaniam, E Cayirci - Computer networks, 2002 - Elsevier
... the **presence** or absence ... Along with these advances, the sensor nodes also have the ability to
connect with the Internet, which allows remote **users** to **control**, monitor ... For example, one sensor
node may be **detecting** the heart rate while another is **detecting** the blood pressure. ...
Cited by 4548 - Related articles - All 83 versions

Evolution of spectrum-agile cognitive radios: first wireless internet standard and ...
K Challapali, C Cordeiro, D Birru - ... workshop on Wireless internet, 2006 - portal.acm.org
... The WRAN system must **detect** the **presence** of the DTV, analog TV and **wireless** microphone ...
to a peak data rate of 1.5 Mbps downstream and 384 Kbps upstream per **user**. ... un-bonded from
one superframe to the next, depending upon the absence or **presence** of incumbents. ...
Cited by 12 - Related articles - All 4 versions

Medium access control in wireless sensor networks
K Kredo, P Mohapatra - Computer Networks, 2007 - Elsevier
... many sensor network applications, such as surveillance and target tracking, where the end **users**
may wish to hide the information collected or even the **presence** of the ... carrier sensing, but instead
relies on message timeouts and message responses to **detect** collisions or ...
Cited by 51 - Related articles - All 9 versions

[PDF] A policy language for a pervasive computing environment
L Kagal, T Finin, A Joshi - IEEE 4th International Workshop on Policies ..., 2003 - Citeseer
... even household appliances) become more common- place and short range **wireless** connectivity
improves ... In order to make correct policy decisions, we assume the **presence** of a ... policies, speech
acts and domain information to make decisions about **users rights** and obligations ...

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[PDF] The CHOICE network–broadband **wireless** Internet **access** in public places
P Bahl, A Balachandran, S Venkatachary - Microsoft Research, 2000 - Citeseer
... Since the **user** has **access** to the PANS Authorizer service prior to authentication, she can
download and easily install the PANS Client **...** So this may be a better choice for battery constrained
wireless devices. **...** TCP/IP Legacy Protocols WINSOCK API PANS **User** module **User ...**
Cited by 17 - Related articles - View as HTML - All 6 versions

[PDF] PAWNs: Satisfying the need for ubiquitous secure connectivity and location ...
P Bahl, W Russell, YM Wang, A Balachandran, ... - IEEE **Wireless** ..., 2002 - Citeseer
... Indoor signal propagation characteristics can be affected by the **presence** of walls and obstructions **...**
If not already present, the client module needed to **detect** this service can be **...** The client module
is a software component resident on **user devices** that tags all outgoing packets **...**
Cited by 64 - Related articles - View as HTML - BL Direct - All 34 versions

[PDF] ... in **wireless** networking using coordinated dynamic spectrum **access**
MM Buddhikot, P Kolodzy, S Miller, K Ryan, J Evans - IEEE WoWMoM, 2005 - Citeseer
... It also collects infor- mation such as number of endusers using each chunk of spectrum, per **user**
informationsuch as geo-location, SNR for the current **wireless access** channel etc. **...** In this case,
the client must **detect** this event and reconfigure its data interfaces to con- tinue its **...**
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